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Harary's Theorem on Signed Graphs and Reversibility of Markov Chains

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Abstract

A counterpart of the well-known Harary theorem on signed graphs is proved for digraphs over groups. This result is then used to derive a known theorem on the diagonal similarity of matrices and Kolmogorov's criterion of the reversibility of Markov chains. © 2014 Springer Science+Business Media New York.

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